

WHAT IS CLAIMED IS:

1. An information processing apparatus  
comprising:

5 a) selection means for selecting desired packets  
from input stream data in which plural packets are  
multiplexed on time-division basis;

b) counter means for counting the number of  
packets, other than said desired packets, in said input  
stream data; and

10 c) recording means for recording, on a recording  
medium, data of said desired packets and information  
data indicating the number of said counted packets.

2. An apparatus according to claim 1, wherein  
15 said input stream data is a transport stream based on  
MPEG2 system.

3. An apparatus according to claim 1, wherein  
said input stream data contains plural programs  
20 multiplexed on time-division basis.

4. An apparatus according to claim 1, further  
comprising:

25 reproduction means for reproducing the data of the  
desired packets recorded by said recording means; and

generation means for inserting, among said desired  
packets, null packets of a number same as that of the

packets indicated by said information data reproduced by said reproduction means, thereby generating a new stream data.

5           5. An apparatus according to claim 4, further comprising decoding means for decoding said new stream data generated by said generation means.

10           6. An apparatus according to claim 5, further comprising monitor means for outputting data decoded by said decoding means.

15           7. An apparatus according to claim 1, wherein said recording medium is a hard disk.

            8. An apparatus according to claim 1, wherein said recording medium is a memory.

20           9. An information processing apparatus for reproducing data from a recording medium on which recorded are data of desired packets extracted from a first stream data containing plural packets multiplexed in time-division basis, and information data indicating the number of packets other than the desired packets  
25           present in said stream data, the apparatus comprising:

            a) reproduction means for reproducing, from said recording medium, data of said desired packets and said

information data; and

b) generation means for inserting, among said desired packets, null packets of a number same as that of the packets indicated by said information data reproduced by said reproduction means, thereby generating a second stream data.

10. An apparatus according to claim 9, wherein said first and second stream data is transport streams based on MPEG2 system.

11. An apparatus according to claim 9, wherein said first stream data contains plural programs multiplexed on time-division basis.

12. An apparatus according to claim 9, further comprising decoding means for decoding said second stream data generated by said generation means.

13. An apparatus according to claim 12, further comprising monitor means for outputting the data decoded by said decoding means.

14. An apparatus according to claim 9, wherein said recording medium is a hard disk.

15. An apparatus according to claim 9, wherein

said recording medium is a memory.

16. An information processing apparatus comprising:

5           a) first operation means for determining a transfer rate based on time information inserted in a stream data;

          b) recording/reproduction means for recording said stream data on a recording medium and reproducing said  
10       stream data at a predetermined rate;

          c) memory means for storing said reproduced stream data on a memory medium;

          d) second operation means for determining time information corresponding to said predetermined rate,  
15       based on the time information of said reproduced stream data and the transfer rate determined by said first operation means;

          e) comparator means for comparing the time information of said reproduced stream data and the time  
20       information corresponding to said predetermined rate and determined by said second operation means; and

          f) control means for controlling the readout of said memory medium according to the result of comparison by said comparator means.

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17. An apparatus according to claim 16, further comprising insertion means for inserting null packets

immediately in front of the time information of the stream data read from said memory means.

18. An apparatus according to claim 17, further  
5 comprising decoding means for decoding the stream data in which said null packets are inserted.

19. An apparatus according to claim 16, wherein  
10 said stream data contain plural programs multiplexed on time-division basis, and said time information is inserted in each of said programs, and said first operation means is adapted to determine the transfer rate of a program based on the time information of said program.

15 20. An apparatus according to claim 1, wherein said stream data is a transport stream based on MPEG2 system.

20 21. An apparatus according to claim 20, wherein said time information is PCR (program clock reference) information.

22. An information processing method comprising  
25 the steps of:

a) selecting desired packets from input stream data in which plural packets are multiplexed on

b) counting the number of packets, other than said desired packets, in said input stream data; and

c) recording, on a recording medium, data of said desired packets and information data indicating the number of said counted packets.

23. An information processing method for reproducing data from a recording medium on which recorded are data of desired packets extracted from a first stream data containing plural packets multiplexed in time-division basis, and information data indicating the number of packets other than the desired packets present in said stream data, the method comprising steps of:

a) reproducing, from said recording medium, data of said desired packets and said information data; and

b) inserting, among said desired packets, null packets of a number same as that of the packets indicated by said reproduced information data, thereby generating a second stream data.

24. An information processing method comprising  
the steps of:

a) determining a transfer rate based on time information inserted in a stream data;

b) recording said stream data on a recording

medium and reproducing said stream data at a predetermined rate;

c) storing said reproduced stream data on a memory medium;

5 d) determining time information corresponding to said predetermined rate, based on the time information of said reproduced stream data and the transfer rate determined by said first operation step;

10 e) comparing the time information of said reproduced stream data and the time information corresponding to said predetermined rate; and

f) controlling the readout of said memory medium according to the result of comparison.

15 25. A computer readable memory medium storing a program for information processing according to claim 22.

20 26. A computer readable memory medium storing a program for information processing according to claim 23.

25 27. A computer readable memory medium storing a program for information processing according to claim 24.